--The variant of the invention may further comprise a peptide extension at the N-terminal, e.g. consisting of 1-15 (particularly 4-10) amino acid residues, and specifically comprising 1, 2 or 3 positively charged amino acids. Some specific N-terminal peptide extensions are AS, SPIRR (SEQ ID. NO. 21), E1RP, E1SPIRPRP (SEQ ID. NO. 22), E1SPPRRP (SEQ ID. NO. 23) and E1SPIRPRP (SEQ ID NO:22). Further, any peptide extension described in WO 97/04079 and WO 97/07202 may be used.--

Please replace the paragraph on page 11, lines 21-27, with:

--Specific variants of the *H. lanuginosa* lipase are disclosed in the examples. Corresponding alterations may be made in other parent lipolytic enzymes. Further variants may be derived from these by omitting amino acid modifications at positions 1, 106, 186, 225, 232, 237, 239 or 274. Variants with 274S may optionally have a further C-terminal extension of WRRYRSAESVDKRATMTDAELEKKLNSYVQM DKEYVKNNQARS (SEQ ID. NO. 24) (corresponding to the C-terminal of the *F. oxysporum* lipase) in full or truncated form.--

Please replace the paragraph on page 12, lines 1 - 6, with:

T267stop indicates a stop codon, i.e. deletion of T267 and all following amino acids (i.e. C268 and L269). 270P, 271V indicates a C-terminal extension of PV (i.e. at new positions 270 and 271). -G266 indicates deletion of G at position 266. Parentheses indicate that the alteration is optional, or in examples that the alteration is uncertain. SPIRR (SEQ ID NO:21) indicates an N-terminal extension. D266 may refer to the position or to substitution with any amino acid (except D).

Please replace the paragraph on page 12, lines 7-10, with:

--E1SPPCGRRP (SEQ ID. NO. 25) or SPPCGRRP(-E) (SEQ ID NO.25) indicates a substitution of E1 with SPPCGRRP (SEQ ID NO:25), i.e. a peptide addition at the N-terminal. T267GS indicates a substitution of T267 with GS, or in other words the substitution T267G and an insertion of S between G267 and C268.--

Please replace the paragraph on page 33, lines 15-26, with:

--The gene encoding the lipolytic enzyme in question is inserted into the plasmid pHD414. In accord-ance with the manufacturer's instructions the Scal site of the Ampicillin gene of pHD414 is changed to a Mlul site by use of the following primer:

Primer 3: AGAAATCGGGTATCCTTTCAG. (SEQ I.D. NO. 27)

The pHD414 vector comprising the lipolytic gene in question is then used as a template for DNA polymerase and oligos 7258 and 7770.

7258: 5'p gaa tga ctt ggt tga cgc gtc acc agt cac 3' (SEQ I.D. NO. 28)

(Thus changing the Scal site found in the ampicillin resistance gene and used for cutting to a Mlul site).

Primer no. 7770 was used as the selection primer.

7770: 5'p tct agc cca gaa tac tgg atc aaa tc 3'(SEQ I.D. NO 29) (Changes the Scal site found in the *H. lanuginosa* lipase gene without changing the amino acid sequence).

Please replace the paragraph on page 37, lines 1-4, with:

SPIRR (SEQ ID NO:21), G91A, D96W, E99K, W260C, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272, G273F, (274S)

SPIRR (SEQ ID NO:21), G91A, D96W, E99K, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

Please replace the paragraph on page 38, lines 7-10, with:

SPIRR (SEQ ID NO:21), D96W, E99K, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

SPIRR (SEQ ID NO:21), G91A, D96W, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

Please replace the table under Example 5, beginning on page 41, with:

E1A, G91A, D96W, E99K, P256A, W260H, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

SPIRR (SEQ ID NO:21), G91A, D96W, E99K, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

E1A, G91A, D96W, P256A, W260H, G263Q, L264A, I265T, G266D, T267A, L269N, 270A, 271G, 272G, 273F, (274S)

E1A, G91A, D96W, E99K, P256A, W260H, G263Q, L264A, I265T, G266D, T267A, L269N E1A, G91A, D96W, E99K, Q249R, G266S, 270D, 271G E1A, G91A, D96W, E99K, Q249R, G266D E1A, G91A, D96W, E99K, Q249R, G266A, 270P, 271G G266D E1SPPCGRRP (SEQ ID NO:25) +E99N +E239C +Q249R +G266D E1SPPCGRRP (SEQ ID NO:25) +E239C +Q249R +G266D E1SPPCGRRP (SEQ ID NO:25) +L93K +E99K +E239C +Q249R +G266D E1SPPCGRRP (SEQ ID NO:25) +E99K +E239C +Q249R +G266D G266A G266W G266V G263Q +L264A +I265T +G266D +T267A G263F +L264A +G266S +T267E E1SPPCGRRP (SEQ ID NO:25) +E239C +Q249R +G263Q +L264A +I265T +G266D +T267A G266S G266L G263A +G266A G263A +G266Y E1SPPCGRRP (SEQ ID NO:25) +E239C +Q249R +G266A E1SPPCGRRP (SEQ ID NO:25) +E239C +Q249R +G266S E1SPPCGRRP (SEQ ID NO:25) +E239C +Q249R +G263F +L264A +G266S +T267E D62A + G266A D62A + G266S D96S + G266A D96S+ G266S D96S+ G266R D96S+ G266W D96S+ G266V E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G266D E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G266S E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G263E+ G266S+ 270A

- E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ L264P+ G266S
- E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ P256T+ G266D
- E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G266C+ T267P+ L269stop
- G263D +L264I +I265N +G266E +T267GS
- E219G +L264I +I265N +G266T +T267GL
- E1A+ G91A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- E1A+ G91A+ D96W+ E99K+ E239C+ Q249R+ P256A+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G +273F (+274S)
- E1A+ G91A+ D96W+ E99K+ N248T+ Q249R+ W260Q+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- SPIRR (SEQ ID NO:21) + G91A+ D96W+ E99K+ W260C+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272+ G273F (+274S)
- SPIRR (SEQ ID NO:21) + G91A+ D96W+ E99K+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- E1A+ G91A+ D96W+ E99K+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- E1A+ G91A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G +272G +273F (+274S)
- SPIRR (SEQ ID NO:21) + D96W+ E99K+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- SPIRR (SEQ ID NO:21) + G91A+ D96W+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
- E1A+ G91A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N
- E1A+ G91A+ D96W+ E99K+ Q249R+ G263E+ G266D+ L269N+ 270P+ 271V+ 272G+ 273F
- E1A+ G91A+ D96W+ E99K+ Q249R+ G263A+ G266S+ L269N+ 270A+ 271G+ 272R+ 273F
- E1A+ G91A+ D96W+ E99K+ Q249R+ L264P+ A266+ L269I+ 270P+ 271R+ 272G+ 273F
- E1A+ G91A+ D96W+ E99K+ Q249R+ L264C+ I265N+ G266P+ T267stop
- E1A+ G91A+ D96W+ E99K (+R232L)+ Q249R+ G266S+ 270A
- E1A+ G91A+ D96W+ E99K+ Q249R+ G266S+ 270D+ 271G
- E1A+ G91A+ D96W+ E99K+ Q249R+ L264F+ \(\Delta 266+ 270A+ 271G+ 272G+ 273F \)
- E1A+ G91A+ D96W+ E99K+ Q249R+ L264G+ I265G+ G266F+ T267stop
- E1A+ G91A+ D96W+ E99K+ Q249R+ L264stop
- E1A+ G91A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+

L269N+ 270A+ 271G
E1A+ G91A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G
E1A+ G91A+ D96W+ E99K+ Q249R+ G266D
E1A+ G91A+ D96W+ E99K+ Q249R+ G266D
E1A+ G91A+ D96W+ E99K+ Q249R+ G266A+ 270P+ 271G
E1A+ G91A+ D96W+ E99K+ Q249R+ L264P+ I265F+ L269stop
E1A+ G91A+ D96W+ E99K+ Q249R+ G266D+ L269S+ 270A+ 271G+ 272G+ 273F
E1A+ G91A+ D96W+ E99K+ Q249R+ G266D+ L269N+ 270A
E1A+ G91A+ D96W+ E99K+ Q249R+ G266S+ L269N+ 270A+ 271G+ 272G+ 273F
E1A+ G91A+ D96W+ E99K+ Q249R+ L264P+ L267Q+ L269N
E1A+ G91A+ D96W+ E99K+ Q249R+ G263R+ I265L+ L269N+ 270P
E1A+ D96W+ E99K+ P256A+ W260H+ G263Q+ L264A+ I265T+ G266D+ T267A+ L269N+ 270A+ 271G+ 272G+ 273F (+274S)
E1A+ G225R+ G266D
E1A+ G225R+ G263A+ I265V+ G266S
E1A+ G225R+ G263A+ T267A
E1SPPCGRRP (SEQ ID NO:25) + D96S+ E239C+ Q249R+ I252M+ L264Q+ G266D
E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G266D
E1SPPCGRRP (SEQ ID NO:25) + D96S+ E239C+ Q249R+ G266D
E1SPPCGRRP (SEQ ID NO:25) + D96S+ E239C+ Q249R+ G266C+ L267A
E1A+ G91A+ D96W+ E99K+ Q249R+ G266A
E1A+ D96M+ G106S+ G225R+ G266D
E1A+ D96Q+ G106S+ G225R+ G266S
E1A+ D96F+ G225R+ G266S
E1A+ D96C+ G225R+ G266T
E1A+ D96H+ G106S+ G225R+ G266S
SPIRR (SEQ ID NO:21) + D96S+ G266D
SPIRR (SEQ ID NO:21) + D96R+ G106S+ G266D
SPIRR (SEQ ID NO:21) + D96I+ G106S+ G266S
SPIRR (SEQ ID NO:21) + D96W+ K237R+ G266S
SPIRR (SEQ ID NO:21) + G266A
SPIRR (SEQ ID NO:21) + D96S+ G106S+ G225R+ G266D

SPIRR (SEQ ID NO:21) + D96Q+ G106S+ G225R+ G266A SPIRR (SEQ ID NO:21) + D96Y+ G106S+ G225R+ G266N SPIRR (SEQ ID NO:21) + D96C+ G106S+ G225R+ G266T SPIRR (SEQ ID NO:21) + D96H+ T186I+ G225R+ G266S E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ G266D E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ G266S E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ G263E+ G266S+ 270A E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ L264P+ G266S E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ P256T+ G266D E1SPPRRP (SEQ ID NO:23) + G91A+ D96W+ E239C+ Q249R+ G266C+ T267P+ L269stop E1A+ G91A+ D96W+ E99K+ Q249R+ G266S+ T267S E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ P256T+ G266S E1SPPCGRRP (SEQ ID NO:25) + E239C+ Q249R+ P256T+ G266S+ T267A E1SPPCGRRP (SEQ ID NO:25) + E239C+ Q249R+ G266D E1SPPCGRRP (SEQ ID NO:25) + G91A+ D96W+ E239C+ Q249R+ G266D E1SPPRRP (SEQ ID NO:23) + D96S+ E239C+ Q249R+ G266D L259S G266D G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A+ 271G+ 272G+ 273F (+274S) G266E G263A +G266A E1SPCRPRP (SEQ ID NO:26) +E239C +Q249R +G266A E1SPCRPRP (SEQ ID NO:26) +E239C +Q249R +G266S D96S + G266A D96S + G266S D96S + G266W E1SPPCGRRP (SEQ ID NO:23) +D96S +E239C +Q249R +G263D +L264I +I265N +G266E +T267GS E1SPPCGRRP (SEQ ID NO:23) +D96S +E239C +Q249R +L264I +I265N +G266T +T267GL D96F +G266A D96F +G266S

E1SPPCGRRP (SEQ ID NO:23) +E99N +E239C +Q249R +G266A

E1SPPCGRRP (SEQ ID NO:23) + D96S +E239C +Q249R +G266A

E1SPPCGRRP (SEQ ID NO:23) + D96S +E239C +Q249R +G266S

E1SPPCGRRP (SEQ ID NO:23) + D96S +E239C +Q249R +G263F +L264A +G266S +T267E

V60G +D62A +S83T +R84K +D96W +G266D

V60G +D62A +S83T +D96W +G266D

V60G +D62A +S83T +D96W +G266W

L259I

L259N

D96W +G263Q +L264A +I265T +G266D +T267A

Please replace the table beginning on page 49, below Example 7, with:

E1SPIRPRP (SEQ ID NO:22) +G91A +D96N +E99K +Q249R
E1SPCRPRP (SEQ ID NO:26) + S83T+ N94K+ D96L+ E239C+ Q249R
G266D
E1SPIRPRP (SEQ ID NO:22) +D62A +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) +D62G +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) +D62V +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) +R84W +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) +R84K +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) + K98D +E99K +Q249R
E1SPIRPRP (SEQ ID NO:22) + E99K +Q249R + 270PGLPFKRV
E1SPPCGRRP (SEQ ID NO:25) + E99N +N101S +T231K +R232G +D234G +E239C +Q249R
E1SPIRPRP (SEQ ID NO:22) +E99K +Q249R + 270PWPARLGRL
L93K +D96G
G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A+ 271G+ 272G+ 273F (+274S)
E1SPCRPRP +V60G +E99N +S119G +R209P +E239C +Q249R
G266A
G266E
G266V
G263Q +L264A +I265T +G266D +T267A
G266L

G263A +G266A E1SPCRPRP (SEQ ID NO:26) +E239C +Q249R +G266A E1SPCRPRP (SEQ ID NO:26) +E239C +Q249R +G266S D96S + G266A D96S + G266S D96S + G266W L264I +I265N +G266T +T267GL E1SPPCGRRP (SEQ ID NO:25) +D96S +E239C +Q249R +L264I +I265N +G266T +T267GL D96F +G266A D96F +G266S E1SPPCGRRP (SEQ ID NO:25) +E99N +E239C +Q249R +G266A E1SPPCGRRP (SEQ ID NO:25) + D96S +E239C +Q249R +G266A E1SPPCGRRP (SEQ ID NO:25) + D96S +E239C +Q249R +G266S D62A + S83T E1SPPCGRRP (SEQ ID NO:25) +K98D +E99N +E239C +Q249R T231R +N233R +270CP E1SPPCGRRP (SEQ ID NO:25) +E99N +E239C +Q249R +270MD E1SPPCGRRP (SEQ ID NO:25) + D62A +S83T +E99N +E239C +Q249R D62A +S83T + G91A +E99K +T231R +N233R +Q249R V60G +D62A +S83T +R84K +D96W +G266D L259N L259R L259M L259Q SPPCGRRP(-E) (SEQ ID NO:25) +R84W +E99N +N101S +E239C +Q249R R84W +G91A +E99K +T231R +N233R +Q249R Y21I Y21V SPIRPRP(-E) (SEQ ID NO:22) +R84L +E99K +Q249R Y21C SPIRPRP(-E) (SEQ ID NO:22) +D62 +E99K +Q249R D96W +G263Q +L264A +I265T +G266D +T267A +L269N +A270 +G271 +G272 +F273 +S274.

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G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G
+272G +273F +274S
```

The following variants of the parent lipase from Humicola lanuginosa may also have an increased specificity for long-chain fatty acids:

SPIRPRP(-E) (SEQ ID NO:22) +V60R +D62V +L93K +E99K +Q249R

SPIRPRP(-E) (SEQ ID NO:22) +D62V +E99K +Q249R

SPIRPRP(-E) (SEQ ID NO:22) +E99K +Q249R +P256D

SPIRPRP(-E) (SEQ ID NO:22) +D62V +E99K +Q249R +P256D

SPIRPRP(-E) (SEQ ID NO:22) +D62V +E99K +Q249R +P256S

G91A +D96W +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96L +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96N +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96A +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96E +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96S +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96R +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96G +E99K +G263Q +L264A +l265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96Q +E99K +G263Q +L264A +l265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96W +E99K +G263Q +L264A +I265T +G266S +T267A +L269N +270A +271G +272G +273F +274S

G91A +D96F +E99K +G263Q +L264A +I265T +G266S +T267A +L269N +270A +271G +272G +273F +274S

R84W +G91A +D96W +E99K +G263Q +L264A +I265T +G266S +T267A +L269N +270A +271G +272G +273F +274S

R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266S +T267A +L269N +270A +271G +272G +273F +274S

R84W +G91A +D96F +E99K +G263Q +L264A +I265T +G266D +T267A +L269N +270A

+271G +272G +273F +274S
SPPCGRRP(-E) (SEQ ID NO:25) +V60G +D62E +S83T +R84K +E99N +N101S +E239 +Q249R
V60G +D62E +S83T +R84K +G91A +E99K +T231R +N233R +Q249R

Please replace the table on page 53, below Example 10, with:

SPIRPRP(-E) (SEQ ID NO:22) +E99K +R195Q +R209E +Q249R
N101R +R195Q +R209E +L259S +Y261D
N101R +R195Q +R209E +L259S
N101R +L259S +Y261D
N101R +L259S
Y261D
L259S
SPIRPRP(-E) (SEQ ID NO:22) +E99K +N101R +Q249R
G263D +L264I +I265N +G266E +T267GS
Y261I
D234R
Y261K